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4 Pages

NPIC/R-46/64

January 1964

PHOTOGRAPHIC INTERPRETATION REPORT

## IVANKOVO AIRCRAFT PLANT, USSR

DECLASS REVIEW by NIMA/DOD

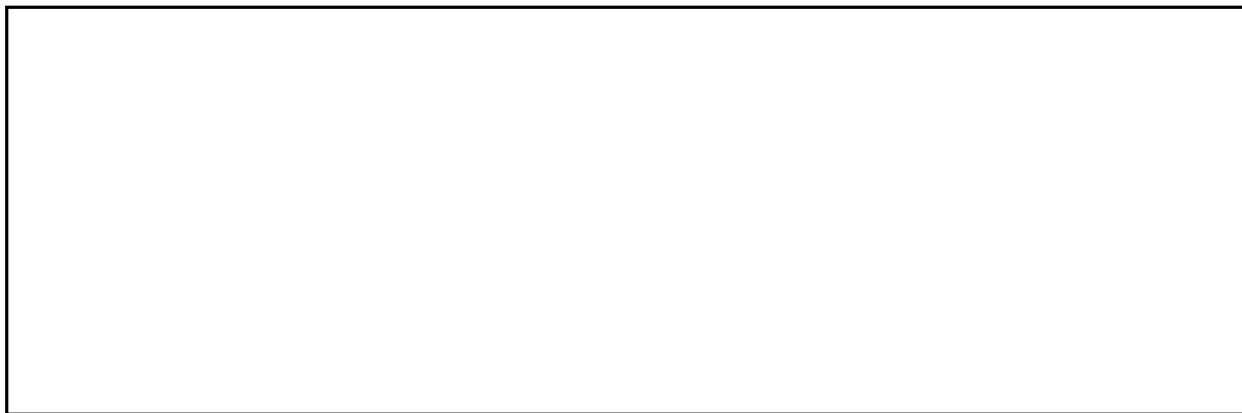
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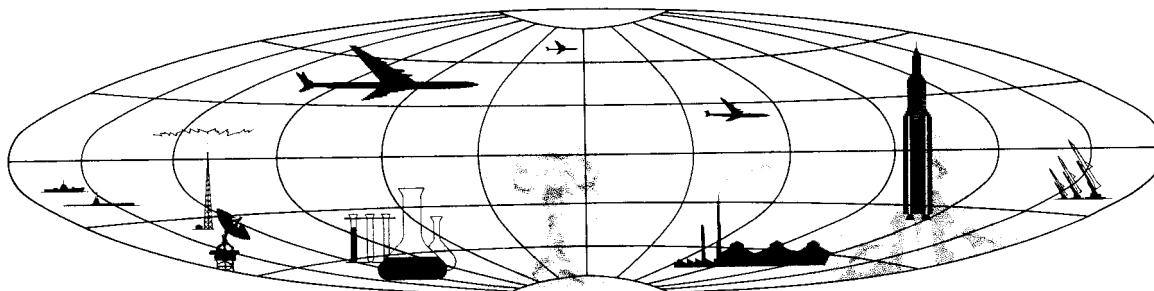
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GROUP 1  
Excluded from automatic  
downgrading and declassification

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# IVANKOVO AIRCRAFT PLANT, USSR 25X1A

25X1A

The Ivankovo Aircraft Plant [ ] also known as Experimental Plant No 1, Podberezye, 1/ is located at 56-45N 37-07E on the eastern bank of the Ivankovskoye Vodokhranilishche (reservoir) about 66 nautical miles (nm) north of Moscow (Figure 1). The site was included in [ ] photography of [ ] (Figure 2); the plant first appeared on photography of [ ] when the facility was reportedly involved in the production of seaplanes. 2/ 3/ From the end of World War II until [ ] the plant was one of the centers utilized for research and development of jet and rocket powered aircraft and horizontal flight missiles. 1/ 2/

25X1D

X25X1D

X1

X1

sections, the Main Assembly Area and the Probable Engineering Administration Area, and two other support areas, the Probable Storage/Maintenance Area and the Machine Shop/Forge-Foundry Area (Figure 3).



FIGURE 2. IVANKOVO AIRCRAFT PLANT, USSR

25X1



FIGURE 1. LOCATION OF IVANKOVO, USSR.

The plant occupies a rectangular area of approximately 225 acres and is secured by a fence. The total roof coverage of the buildings described in this report is about 802,850 square feet. The plant is composed of two principal

Transportation to the plant is mainly by water, via the Moscow Canal and the Volga River (Figure 1); material is shipped and received through the west gate, using the docking facilities along the reservoir. A road from the plant connects with the Moscow-Kimry highway via the city of Ivankovo. A sod landing area north of the plant may provide air service, although the more modern Kletino Airfield 7 nm to the northeast is probably the primary air facility.

A description of the four plant areas and the major structures in each follows. Item numbers and letters are keyed to Figure 3, and a table of building dimensions is found on Figure 3.

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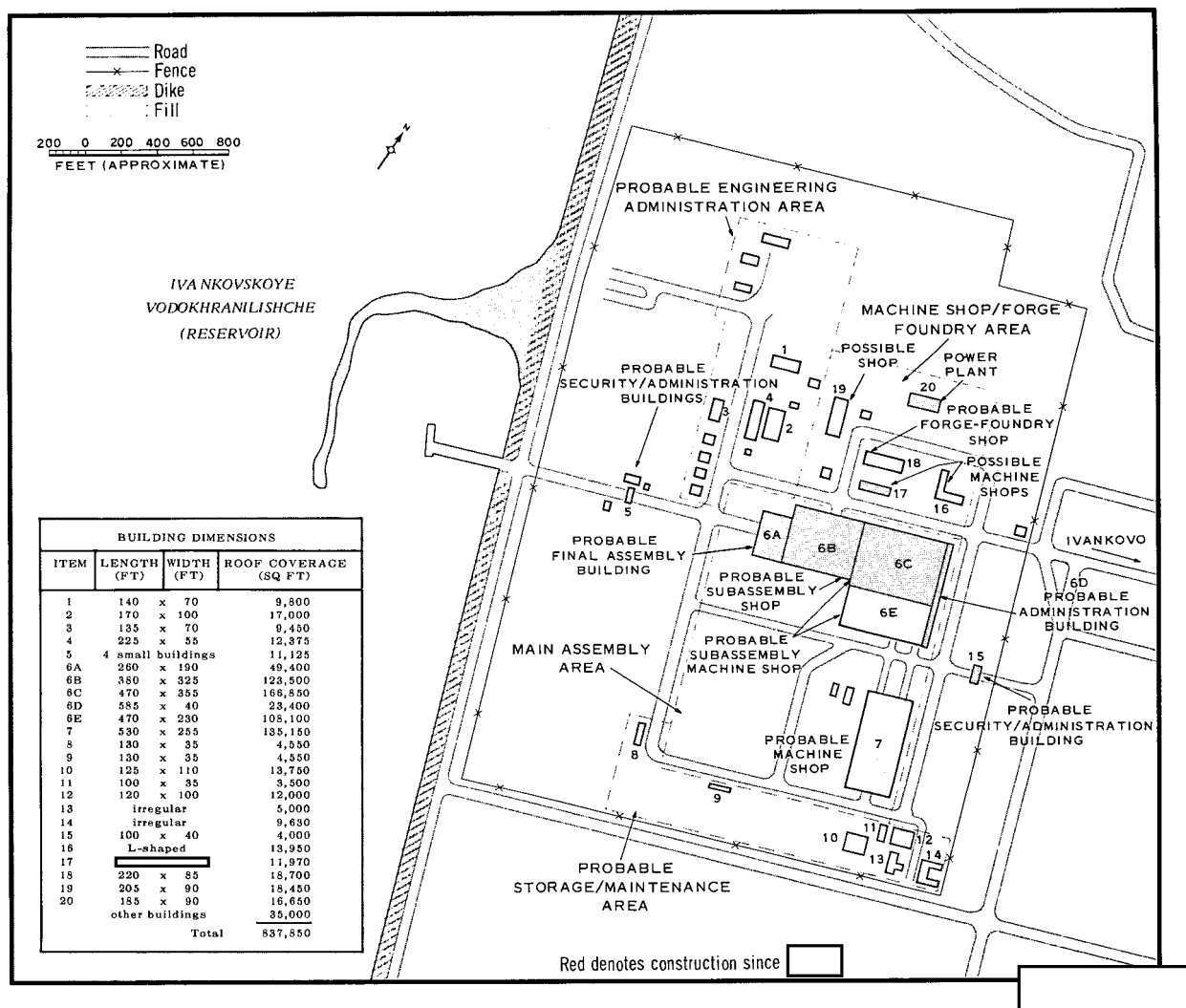


FIGURE 3. IVANKOVO AIRCRAFT PLANT, USSR.

### MAIN ASSEMBLY AREA

The Main Assembly Area contains those buildings at the plant which are probably involved in production. This area has a total roof coverage of 606,400 square feet, of which 243,250 square feet have been built since [redacted]. The probable assembly buildings in the plant have been present since photography of [redacted] the

newer buildings are of the assembly/fabrication type (Figure 3).\*

The single-story probable final assembly building (item 6A) is the tallest structure in the Main Assembly Area; it is a hangar-type structure with a flat roof and two single A-shaped skylights. The probable subassembly shop (item 6B) is a high single-story building with

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several longitudinal monitors extending the entire length of the flat roof; the distinguishing roof feature is a wide boxlike structure also along the full length of the roof, but distinct from the monitors.

A two-section probable subassembly/machine shop is also located in this area. Immediately to the east of item 6B is a low, single-story flat-roofed structure with several longitudinal monitors extending the entire length of the building; a wide boxlike structure on the roof, comparable to the one observed on item 6B, extends only half the length of the more easterly building. This building was constructed in at least two stages; the older section, observable on photography of [ ] is identified as item 6C, while the portion built since [ ] is identified as item 6E. Southeast of this structure is a probable machine shop (item 7), also low and of single-story construction; it too has a flat roof with longitudinal monitors. Item 7 has been added to the site since [ ] and is connected directly to the main assembly hall by double roads.

Item 6D is a multistory structure with a flat roof. It is probably used as an administration building.

Items 5 and 15, located close to the west and east sides of the Main Assembly Area, are probably security/administration facilities. Item 5, which is a group of four small buildings, and item 15 have a combined roof coverage of about 15,125 square feet.

#### PROBABLE ENGINEERING ADMINISTRATION AREA

The Probable Engineering Administration Area is located in the northwestern quarter of the plant complex (Figure 3). The varied sizes and shapes of the buildings and their physical location apart from the Main Assembly Area in-

dicate that various engineering functions are located in this section of the site.

This portion of the plant complex has a total roof coverage of about 48,625 square feet, all of which is over buildings built since [ ]. Several other buildings are not included in this total roof coverage figure and are not numbered on Figure 3; these buildings in combination with other miscellaneous unnumbered structures at the plant represent a total roof coverage of about 35,000 square feet.

#### PROBABLE STORAGE/MAINTENANCE AREA

The Probable Storage/Maintenance Area contains a group of buildings which vary in shape and size; these structures probably serve as storage facilities and maintenance workshops for the plant. Seven buildings in this area have a combined roof coverage of approximately 52,980 square feet.

#### MACHINE SHOP/FORGE-FOUNDRY AREA

The Machine Shop/Forge-Foundry Area contains a group of four structures located along an access road which connects the buildings with each other and with the Main Assembly Area (Figure 3). These four buildings plus a fifth farther north have a combined roof coverage of approximately 79,720 square feet; Items 16, 18, and 19 have been constructed since [ ].

Item 16, which is L-shaped with a flat roof, possibly serves as a supporting machine shop for the Main Assembly Area. Item 17, a low, flat-roofed structure, is another possible supporting machine shop.

A two-level building with a flat roof (item 18) has been observed on ground photography and appears to have two or more short stacks which indicate that this is a probable forge-

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foundry shop. Item 19 is a tall, flat-roofed structure which has been built since photography of [ ] it possibly serves as a supporting shop for the production area facilities.

At the northern edge of this area is the power plant (item 20) for the aircraft facility. This structure was built before the photography of [ ]

25X

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

8RTS. US Air Target Chart, Series 200, Sheet 0154-22HL, 2d ed, Mar 63, scale 1:200,000 (SECRET)

DOCUMENTS

1. CIA. SI 3-52, German-Conducted Aircraft Research and Development at Experimental Plant No 1, Podberezye, USSR, 28 Mar 52 (SECRET)
2. USAF. [ ] Aircraft Plant in Podberezye (5645N/3708E), 25 Apr 56 (CONFIDENTIAL)

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REQUIREMENT

CIA. C-RR3-80,465

NPIC PROJECT

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